

SEQUENCE LISTING



<110> GASTON, ET AL

<120> Methods of Inducing Cell Death

<130> WIRO:016US

<140> 10/047,990

<141> 2002-01-14

<160> 8

<170> PatentIn Ver. 2.1

<210> 1

<211> 365

<212> PRT

<213> Human papillomavirus

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Met Glu Thr Leu Cys Gln Arg Leu Asn Val Cys Gln Asp Lys Ile Leu
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Thr His Tyr Glu Asn Asp Ser Thr Asp Leu Arg Asp His Ile Asp Tyr
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Trp Lys His Met Arg Leu Glu Cys Ala Ile Tyr Tyr Lys Ala Arg Glu
 35 40 45

Met Gly Phe Lys His Ile Asn His Gln Val Val Pro Thr Leu Ala Val
 50 55 60

Ser Lys Asn Lys Ala Leu Gln Ala Ile Glu Leu Gln Leu Thr Leu Glu
 65 70 75 80

Thr Ile Tyr Asn Ser Gln Tyr Ser Asn Glu Lys Trp Thr Leu Gln Asp
 85 90 95

Val Ser Leu Glu Val Tyr Leu Thr Ala Pro Thr Gly Cys Ile Lys Lys
 100 105 110

His Gly Tyr Thr Val Glu Val Gln Phe Asp Gly Asp Ile Cys Asn Thr
 115 120 125

Met His Tyr Thr Asn Trp Thr His Ile Tyr Ile Cys Glu Glu Ala Ser
 130 135 140

Val Thr Val Val Glu Gly Gln Val Asp Tyr Tyr Gly Leu Tyr Tyr Val
 145 150 155 160

His Glu Gly Ile Arg Thr Tyr Phe Val Gln Phe Lys Asp Asp Ala Glu
 165 170 175

Lys Tyr Ser Lys Asn Lys Val Trp Glu Val His Ala Gly Gly Gln Val

180							185					190						
Ile	Leu	Cys	Pro	Thr	Ser	Val	Phe	Ser	Ser	Asn	Glu	Val	Ser	Ser	Pro			
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Glu	Ile	Ile	Arg	Gln	His	Leu	Ala	Asn	His	Pro	Ala	Ala	Thr	His	Thr			
210							215					220						
Lys	Ala	Val	Ala	Leu	Gly	Thr	Glu	Glu	Thr	Gln	Thr	Thr	Ile	Gln	Arg			
225							230					235					240	
Pro	Arg	Ser	Glu	Pro	Asp	Thr	Gly	Asn	Pro	Cys	His	Thr	Thr	Lys	Leu			
245							250					255						
Leu	His	Arg	Asp	Ser	Val	Asp	Ser	Ala	Pro	Ile	Leu	Thr	Ala	Phe	Asn			
260							265					270						
Ser	Ser	His	Lys	Gly	Arg	Ile	Asn	Cys	Asn	Ser	Asn	Thr	Thr	Pro	Ile			
275							280					285						
Val	His	Leu	Lys	Gly	Asp	Ala	Asn	Thr	Leu	Lys	Cys	Leu	Arg	Tyr	Arg			
290							295					300						
Phe	Lys	Lys	His	Cys	Thr	Leu	Tyr	Thr	Ala	Val	Ser	Ser	Thr	Trp	His			
305							310					315					320	
Trp	Thr	Gly	His	Asn	Val	Lys	His	Lys	Ser	Ala	Ile	Val	Thr	Leu	Thr			
325							330					335						
Tyr	Asp	Ser	Glu	Trp	Gln	Arg	Asp	Gln	Phe	Leu	Ser	Gln	Val	Lys	Ile			
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Pro	Lys	Thr	Ile	Thr	Val	Ser	Thr	Gly	Phe	Met	Ser	Ile						
355							360					365						

<210> 2
 <211> 1098
 <212> DNA
 <213> Human papillomavirus

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<210> 3
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<213> Human papillomavirus

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Thr His Tyr Glu Asn Asp Ser Thr Asp Leu Arg Asp His Ile Asp Tyr
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Trp Lys His Met Arg Leu Glu Cys Ala Ile Tyr Tyr Lys Ala Arg Glu
      35          40          45

Met Gly Phe Lys His Ile Asn His Gln Val Val Pro Thr Leu Ala Val
      50          55          60

Ser Lys Asn Lys Ala Leu Gln Ala Ile Glu Leu Gln Leu Thr Leu Glu
      65          70          75          80

Thr Ile Tyr Asn Ser Gln Tyr Ser Asn Glu Lys Trp Thr Leu Gln Asp
      85          90          95

Val Ser Leu Glu Val Tyr Leu Thr Ala Pro Thr Gly Cys Ile Lys Lys
      100          105          110

His Gly Tyr Thr Val Glu Val Gln Phe Asp Gly Asp Ile Cys Asn Thr
      115          120          125

Met His Tyr Thr Asn Trp Thr His Ile Tyr Ile Cys Glu Glu Ala Ser
      130          135          140

Val Thr Val Val Glu Gly Gln Val Asp Tyr Tyr Gly Leu Tyr Tyr Val
      145          150          155          160

His Glu Gly Ile Arg Thr Tyr Phe Val Gln Phe Lys Asp Asp Ala Glu
      165          170          175

Lys Tyr Ser Lys Asn Lys Val Trp Glu Val His Ala Gly Gly Gln Val
      180          185          190

Ile Leu Cys Pro Thr Ser Val Phe Ser Ser Asn Glu Val Ser Ser Pro
      195          200          205

Glu Ile Ile Arg Gln His Leu Ala Asn His Pro Ala Ala Thr His Thr

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210	215	220
Lys Ala Val Ala Leu Gly Thr Glu Glu Thr Gln Thr Thr Ile Gln Arg		
225	230	235 240
Pro Arg Ser Glu Pro Asp Thr Gly Asn Pro Cys His Thr Thr Lys Leu		
	245	250 255
Leu His Arg Asp Ser Val Asp Ser Ala Pro Ile Leu Thr Ala Phe Asn		
	260	265 270
Ser Ser His Lys Gly Arg Ile Asn Cys Asn Ser Asn Thr Thr Pro Ile		
	275	280 285
Val His Leu Lys Gly Asp Ala Ala Thr Leu Ala Cys Leu Arg Tyr Ala		
	290	295 300
Phe Lys Lys His Cys Thr Leu Tyr Thr Ala Val Ser Ser Thr Trp His		
305	310	315 320
Trp Thr Gly His Asn Val Lys His Lys Ser Ala Ile Val Thr Leu Thr		
	325	330 335
Tyr Asp Ser Glu Trp Gln Arg Asp Gln Phe Leu Ser Gln Val Lys Ile		
	340	345 350
Pro Lys Thr Ile Thr Val Ser Thr Gly Phe Met Ser Ile		
	355	360 365

<210> 4
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 <212> DNA
 <213> Human papillomavirus

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 gctatttatt acaaggccag agaaatggga tttaaacata ttaaccacca agtggtgcca 180
 aactggctg tatcaaagaa taaagcatta caagcaattg aactgcaact aacgttagaa 240
 acaatatata actcacaata tagtaatgaa aagtggacat tacaagacgt tagccttgaa 300
 gtgtatttaa ctgcaccaac aggatgtata aaaaaacatg gatatacagt ggaagtgcag 360
 tttgatggag acatatgcaa tacaatgcat tatacaaact ggacacatat atatatttgt 420
 gaagaagcat cagtaactgt ggtagagggt caagttgact attatggttt atattatgtt 480
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<210> 5
<211> 87
<212> PRT
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Leu Tyr Thr Ala Val Ser Ser Thr Trp His Trp Thr Gly His Asn Val
35 40 45
Lys His Lys Ser Ala Ile Val Thr Leu Thr Tyr Asp Ser Glu Trp Gln
50 55 60
Arg Asp Gln Phe Leu Ser Gln Val Lys Ile Pro Lys Thr Ile Thr Val
65 70 75 80
Ser Thr Gly Phe Met Ser Ile
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<210> 6
<211> 264
<212> DNA
<213> Human papillomavirus

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aaatgtttta gatatagatt taaaaagcat tgtacattgt atactgcagt gtcgtctaca 120
tggcattgga caggacataa tgtaaaacat aaaagtgcaa ttgttacact tacatatgat 180
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<211> 87
<212> PRT
<213> Human papillomavirus

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Ala Ala Thr Leu Ala Cys Leu Arg Tyr Ala Phe Lys Lys His Cys Thr
20 25 30
Leu Tyr Thr Ala Val Ser Ser Thr Trp His Trp Thr Gly His Asn Val

	35						40							45					
Lys	His	Lys	Ser	Ala	Ile	Val	Thr	Leu	Thr	Tyr	Asp	Ser	Glu	Trp	Gln				
	50					55					60								
Arg	Asp	Gln	Phe	Leu	Ser	Gln	Val	Lys	Ile	Pro	Lys	Thr	Ile	Thr	Val				
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